



JACOBSZOOM & ASSOCIATES, INC.

natural resource planning & management

Environmental Analyst - Forester

Full Time – Non-Exempt

\$24.00 - \$27.00/hour DOE

Ukiah, CA.

Description

The Environmental Analyst applies general knowledge and skills to assist in the management of public and private forest lands for economic, recreational, and conservation purposes. Works independently or with team members under limited supervision of a Registered Professional Forester (RPF), or other Environmental Specialists, to prepare and execute forest inventories, timber appraisals conservation easements, and forest land development. Develops CEQA and CEQA exempt documents such as Timber Harvest Plans (THPs), Non-Industrial Timber Management Plans (NTMPs), timber conversions, and exemptions under the supervision of an RPF. Completes work to set timescales and within project budgets. Produces deliverables/products to specifications. Reports progress, issues, and other pertinent project information to supervisors.

Responsibilities

- Ensure compliance with the California Forest Practice Rules as well as applicable California Department of Fish and Wildlife (CDFW) Fish and Game Code (FGC), State Water Resources Control Board (SWRCB) orders/regulations, and CGS.
- Timber Harvest Plan (THP) and Non-Industrial Timber Management Plan (NTMP) design, layout, and writing.
- Supervise THP layout and timber marking of forestry Technicians and seasonal Technicians.
- Silvicultural design of various multi-aged forest types including a comprehensive re-entry schedule.
- Determination of logging system to be used to maximize profit as well as minimize erosion and environmental degradation.
- Plan and supervise forestry projects, such as determining the type, number and placement of trees to be planted, thinning forest and monitoring growth of new seedlings.
- Timber cruise design and implementation. Prepare reports and recommendations.
- Prepare sustained yield plans by interpreting cruise data and stand tables.
- Determine methods to minimize and or mitigate environmental impacts of forestry operations.

- Road layout and watercourse crossing engineering.
- Watercourse classification and design of protection measures.
- Marking timber.
- Stand delineation and determination of economic viability of potential harvest.
- Survey for archaeological resources and develop reports.
- Develop plans for reforestation, planting vs natural regeneration.
- Monitor environmental impacts of Forestry operations.
- Timber cruise design and implementation. Prepare reports and recommendations.
- Direct, and participate in, forest fire suppression activities.
- Identify unstable areas, research links for geology, develop mitigations.
- Map development/GIS.
- Maintenance of field equipment.

Knowledge, Skills, Abilities

- Operation of all-terrain vehicles (ATVs and 4WD vehicles)
- Operation of hand tools (chain saw, clinometer, compass, loggers tape)
- BAF Tools (prisms, cruising crutch, cruise-all)
- Hypsometer (laser rangefinder, ultra-sonic)
- Inventory management software (Forsee)
- Map creation (Google Earth and ESRI ArcGIS)
- Mobile mapping (tablet computer, external GPS, mobile mapping software)
- Proficient in Microsoft Office Suite (Word, Excel, PowerPoint)
- Experience with Gmail and Google Calendar

Education and Experience

Requires a Bachelor of Science degree in forestry or closely related field, two years of professional experience, and qualification to take the Professional Foresters Examination within one year of hire.